

## FAN SPEED CONTROLLER

### ABSTRACT OF THE DISCLOSURE

Embodiments of the present invention provide a low noise and high efficiency fan speed controller. The fan speed controller generates a pulse width modulation signal. The pulse width modulation signal is utilized to switch mode convert a supply voltage into a linear voltage. The voltage level of the linear voltage is a function of the pulse width modulation signal. The linear voltage is utilized to control the operating speed of a direct current fan.